

ABSTRACT OF THE DISCLOSURE

A method of treating immune suppression in a warm-blooded animal bearing a tumor, by administering to the animal an amount of combretastatin A4 and/or a prodrug thereof effective to enhance immune responsiveness without causing vascular destruction. Immunotherapy treatment to inhibit or kill tumor cells includes administering to the animal an immune-response-stimulating agent such as a vaccine of tumor cells genetically modified to produce an immune-response-enhancing cytokine while counteracting tumor-induced immune suppression in the animal by administering combretastatin A4 and/or a prodrug thereof.